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SOURCE Newspapers and periodicals as indicated.

KAZAKH, MINSK MACHINE BUILDERS INCREASE PRODUCTION;
SVERDLOVSK, CHIMKENT PLANTS RUN BELOW CAPACITIES

1950 PRODUCTION IS DOUBLE THAT OF 1946 -- Alma-Ata, Kazakhstanskaya Pravda,
 16 Dec 51

The machine building industry of Kazakh SSR fulfilled the Five-Year Plan
 for gross production 107.5 percent, with the 1950 output rising to twice the
 1946 total. A considerable number of new machines and equipment were put into
 production during the 5-year period.

However, there are still some shortcomings in the republic's machine build-
 ing industry. Low-quality products are still turned out, many machines are de-
 livered without complete sets of parts, and raw materials and electric power are
 wasted.

EXCEED 1950 AMOUNT BY 29.6 PERCENT -- Moscow, Pravda, 29 Dec 51

Industrial enterprises of Minsk met the 1951 plan, pushing their production
 29.6 percent over the 1950 record. Among new types of equipment put into produc-
 tion were skidding tractors, 25-ton dump trucks, ditching machines, motorcycles,
 and medical instruments.

SHIPPING FACILITIES CANNOT HANDLE LAST-MINUTE RUSH -- Moscow, Izvestiya, 17 Oct 51

By cutting production costs, the Sverdlovsk Uralmash Plant has saved about
 2 million rubles. Cost of producing walking excavator is constantly coming down.
 Nevertheless, the plant is failing to utilize its entire production reserves.

Work proceeds unevenly; 60 percent of the monthly output is realized in the
 last third of the month. This means that raw material must remain in the un-
 finished state longer than planned, with resultant losses. Overhead costs are
 rising, since the abnormally large output in the last third of the month cannot
 be shipped out rapidly enough by existing facilities.

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Moscow, Komsomol'skaya Pravda, 28 Dec 51

The Sverdlovsk Uralmash Plant recently sent the Sumi Machine Building Plant imeni Frunze a semifinished connecting rod for a 100-cubic-meter compressor. It had allowances for subsequent machining, of 260 millimeters in length and of 120-150 millimeters in diameter. This calls for a review of the technological measures in effect at the Uralmash Plant for saving metal.

SHIP PRESS TO RIGA -- Riga, Sovetskaya Latviya, 29 Sep 51

The Barnaul Power Press Plant recently shipped a 100-ton press to the Riga Omega Metalworking Plant.

LOSE 35,000 MACHINE-TOOL HOURS IN 3 MONTHS -- Alma-Ata, Kazakhstanskaya Pravda, 18 Oct 51

The Chimkent Presses and Automatics Plant, which grew up during the postwar years, is adequately equipped to turn out complex industrial equipment. The management, however, is not fully using its production facilities. During a 3-month period, idle machines in machine shop No 6 cost the plant 35,000 machine-tool hours. Since only 30,000 machine-tool hours are required to fulfill the month plan, it may be seen that this loss was considerable. When the machines are in operation, they turn out less than their capacities warrant.

The over-all production picture is one of unevenness, with end-of-the-month bursts of speed. The machine tools carried only partial loads during the first half of September; in the last 5 days of that month they ran under very heavy loads. Throughout the plant, some machines are overloaded, some work below their capacities, and many are being used for purposes other than those for which they were designed.

Poorly qualified machinists are running their machines to premature wear and breakdowns. Foremen pay insufficient attention to maintenance; the maintenance program never reaches more than 60-65 percent of the plan. Recently, machine No 212 in machine shop No 7 broke down several times.

It is obviously up to Banduganov, plant director, and Tarasov, chief engineer, to undertake a number of technological and organizational measures to improve the situation.

PUT REFRIGERATOR INTO PRODUCTION -- Riga, Sovetskaya Latviya, 29 Dec 51

The Riga Kompessor Plant, which met the 1951 plan on 21 December, has established series production of a new refrigeration machine. -- V. Smol'kov, director, Riga Kompessor Plant

INSTITUTE PRODUCES AUTOMATIC WELDERS -- Moscow, Vestnik Mashinostroyeniya, Nov 51

To date, the Central Scientific Institute of Technology and Machine Building, of the Ministry of Heavy Machine Building, has put out the following welding machines: the UT 1000, UT 1200, UT 2000, UT 1500, and UT-1250 universal welding tractors; the B(300-1200 a), V(600-3000 a), G(300-2000 a), D(300-1500 a), E(250-1250 a), and TGTs(300-2000 a) machines; the SSG-3 self-propelled welding head, the AOSh automatic machine for welding pipe connections, the AOS-4 automatic machine for welding furnace joints, the MAS-2 manipulator, and the R-2 roller carriage.

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Comparative figures on three of the welding tractors are as follows:

	<u>UT-2000</u>	<u>UT-1500</u>	<u>UT-1250</u>
Welding current (a)	300-2,000	300-1,500	250-1,250
Diameter of electrode (mm)	3-8	3-6	2.5-6
Electrode feed speed (m/min)	0.6-4.8	0.6-4.8	0.53-3.3
Welding speed (m/hr)	10-330	10-80	13-83
Reach of welding head (mm)	565	420	400
Weight of tractor (kg)	130	75	44

ADD NEW ITEM TO LIST OF PRODUCTS -- Leningradskaya Pravda, 5 Jan 52

The Vyborg Elektroiinstrument Plant has turned to the production of a new item -- an electric spot welder. A hand tool, it is designed for contact welding of sheet metal.

NEW FORGING MACHINE TO BE USED IN AUTO-TRACTOR INDUSTRY -- Leningradskaya Pravda, 29 Dec 51

The Novo-Kramatorsk Machine Building Plant imeni Stalin has completed a heavy forging machine of 2,000 tons capacity, weighing 225 tons. It will be used for the production of automobile and tractor parts from billets of up to 20 centimeters diameter. Operated by a single worker, the machine can turn out 3,000 tractor flanges in one shift, replacing the work of several hundred forgers.

This machine is the third type of forging machine put into production at the plant in 1951. Previous types exerted working pressures of 800 and 1,200 tons, respectively.

Yerevan, Komunist, 5 Feb 52

At the Novo-Kramatorsk Plant imeni Stalin all parts over 300 millimeters thick are checked by X-ray, a practice which completely eliminates rejects. After the pictures have been taken in the X-ray shop, the films are developed in a few minutes. [The article mentions the X-ray examination of the welded seam of a certain part, pointing out that this insures soundness of seams. The X-ray examinations mentioned are apparently limited to welded seams.]

TURNS OUT TIN-PLATING AGGREGATE -- Minsk, Sovetskaya Belorussiya, 17 Feb 52

The Sverdlovsk Ural Heavy Chemical Machine Building Plant has turned out an aggregate for electrolytic tin-plating of sheet iron. Designed for continuous operation, it runs a broad iron strip through pickling and washing stages, finally coating it electrolytically with the tin.

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